ABSTRACT OF THE DISCLOSURE

A stove for outdoor use includes a hollow shell formed from heat-tolerant material, and a substructure for supporting the shell. The stove also includes a burner assembly, operatively attached to the shell or to the substructure, and a vessel support rack for placement on the shell. The support rack is formed from multiple interconnected segments. A first vessel-supporting surface is defined on a first side of the support rack, for supporting a cooking vessel having a substantially flat lower surface. A second vessel-supporting surface is defined on a second side of the support rack, for supporting a cooking vessel having a substantially non-flat lower surface. The second vessel-supporting surface may be configured to support a concave cooking implement, such as a wok thereon. The support rack is configured to fit into the shell with either the first vessel-supporting surface or the second vessel-supporting surface facing upwardly.